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# DARPA Awards Spire Global Contract to Design Satellite

*The contract will leverage Spire's pioneering Space Services model to design a satellite that could carry the agency's sensor to very low Earth orbit to improve characterization of the ionosphere*

VIENNA, Va.--(BUSINESS WIRE)-- [Spire Global, Inc.](#) (NYSE: SPIR) ("Spire" or "the Company"), a leading global provider of space-based data, analytics and space services, was awarded a contract by the Defense Advanced Research Projects Agency (DARPA) to deliver a preliminary design for a satellite that would carry an array of sensors to very low Earth orbit (VLEO) for in-situ ionosphere measurements.

The award is part of DARPA's Ouija program, which aims to use sensors on satellites to provide new insights into high-frequency (HF) radio wave propagation in the ionosphere, the area spanning the upper edges of the Earth's atmosphere to the lower regions of space. The program seeks to quantify the space HF noise environment and improve characterization of the ionosphere to support novel HF capabilities.

DARPA's award utilizes Spire's pioneering Space Services model, which offers organizations fast and scalable access to space through a subscription model that eliminates the high upfront cost of building and maintaining infrastructure in space. Organizations can leverage Spire's established space, ground, and web infrastructure to deploy and operate a constellation of satellites, a hosted payload, or a software application in space. Spire handles the end-to-end management, from manufacturing to launch to satellite operations, and the customer operates the system through a web API.

"Spire is proud to be supporting DARPA's efforts to advance our understanding of the ionosphere. Spire has built and launched over 150 satellites in the decade since the company was founded, and we're excited to bring that heritage and experience in ionospheric data collection to this project," said Kamal Arafah, Senior Vice President of Sales, Spire. "For innovative programs like Ouija, the Space Services model provides a fast and cost-effective platform to build and scale new technology in space."

Recently, the company was also awarded a [National Oceanic and Atmospheric Administration \(NOAA\) contract](#) for its Space Services to develop a sensor with hyperspectral microwave sensing technology on a 16U satellite to collect near real-time weather observations and improve measurements.

## About Spire Global, Inc.

Spire (NYSE: SPIR) is a leading global provider of space-based data, analytics and space services, offering access to unique datasets and powerful insights about Earth from the ultimate vantage point so that organizations can make decisions with confidence, accuracy,

and speed. Spire uses one of the world's largest multipurpose satellite constellations to source hard to acquire, valuable data and enriches it with predictive solutions. Spire then provides this data as a subscription to organizations around the world so they can improve business operations, decrease their environmental footprint, deploy resources for growth and competitive advantage, and mitigate risk. Spire gives commercial and government organizations the competitive advantage they seek to innovate and solve some of the world's toughest problems with insights from space. Spire has offices in San Francisco, Boulder, Washington DC, Ontario, Glasgow, Oxfordshire, Luxembourg, and Singapore. To learn more, visit [www.spire.com](http://www.spire.com).

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Kristina Spsychalski  
Senior Manager, Communications  
[kristina.spsychalski@spire.com](mailto:kristina.spsychalski@spire.com)

Source: Spire Global, Inc.